

Attorney's Docket No.: 19146-002001

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Beth Marcus, et al

Art Unit: 2673

Serial No.: 10/699,555

Examiner: Unknown

Filed

: October 31, 2003

Title

**HUMAN INTERFACE SYSTEM** 

## MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: May 10, 2006

John P. Schnurer Reg. No. 52,196

Fish & Richardson P.C. 12390 El Camino Real San Diego, California 92130 Telephone: (858) 678-5070

Facsimile: (858) 678-5099

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## CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 19146-002001

Application No. 10/699,555

Information Disclosure Statement

by Applicant

MAY 1 5 2006

use several sheets if necessary)

Applicant
Beth Marcus, et al

Filing Date October 31, 2003

Group Art Unit 2673

**U.S. Patent Documents** Document Publication Filing Date Examiner Desig. If Appropriate Date Patentee Class Subclass Initial ID Number 11/15/1994 Howard A. Gutowitz AA 5,365,589 7/11/1995 Walter S. Matthews AB 5,432,510 Michael Goren 7/21/1998 AC 5,782,642 9/5/2000 Balakrishnan et al. AD 6,115,028 Howard A. Gutowitz 4/17/2001 AE 6,219,731 Wen-Yi Hsieh 5/8/2001 6,228,709 ΑF Willner et al. 1/28/2003 AG 6,512,511 6,573,844 6/3/2003 Venolia et al. AH 8/12/2003 Cubbage et al. ΑI 6,606,486 ΑJ 11/25/2003 Goodman et al. 6,654,733 -3/9/2004-Timothy-B.-Higginson AK. 6,703,963 5/18/2004 Hinkley et al. AL 6,738,045 5/25/2004 Michael Goren AM 6,741,235 Willner et al. 6,760,013 7/6/2004 AN Levi Montalcini 6,865,718 3/8/2005 AO AP 6,885,317 4/26/2005 Howard A. Gutowitz 4/26/2005 Matthew J. Bickerton AQ 6,885,318 6/28/2005 AR 6,911,608 David H. Levy 12/27/2005 Michael Goren AS 6,980,200

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Examiner	Desig.	Document	Publication	Country or	Class	Cubalasa		lation
I nitial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	AU							

6/4/2002

Other Documents (include Author, Title, Date, and Place of Publication)				
Examiner	Desig.			
Initial	l ID	Document		

Examiner	Signature
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RE37723

Date Considered

Michael Goren

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449  (Modified)  U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 19146-002001	Application No. 10/699,555	
Information Discl		Applicant Beth Marcus, et al		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date October 31, 2003	Group Art Unit 2673	

		ocuments (include Author, Title, Date, and Place of Publication)		
Examiner	Desig.	Document		
Initial	ID			
	A 7 TT T	Andriy Pavlovych, Wolfgang Stürzlinger: Less-Tap: A Fast and Easy-to-learn Text Input Technique		
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Examiner Signature Date Considered EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449  (Modified)  U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 19146-002001	Application No. 10/699,555	
	losure Statement plicant	Applicant Beth Marcus, et al		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date October 31, 2003	Group Art Unit 2673	

	Other Documents (include Author, Title, Date, and Place of Publication)			
Examiner	Desig.			
Initial _	ID	Document		
	ASS	Hinckley, K., Pierce, J., Horvitz, E., Sinclair, M. Foreground and Background Interaction with Sensor-enhanced Mobile Devices, ACM TOCHI (Transactions on Computer-Human Interaction) Special Issue on Sensor-Based Interaction, 12 (1), March 2005, pp. 31-52. <a href="http://portal.acm.org/citation.cfm?id=1057240&amp;coll=GUIDE&amp;dl=GUIDE&amp;CFID=66591340&amp;CFTOKEN=6294934">http://portal.acm.org/citation.cfm?id=1057240&amp;coll=GUIDE&amp;dl=GUIDE&amp;CFID=66591340&amp;CFTOKEN=6294934</a>		
	ATT	Hinckley, K., Cutrell, E., Bathiche, S., and Muss, T. 2002. Quantitative analysis of scrolling techniques. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems: Changing Our World, Changing Ourselves (Minneapolis, Minnesota, USA, April 20 - 25, 2002). CHI '02. ACM Press, New York, NY, 65-72. http://doi.acm.org/10.1145/503376.503389		
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	AWW	Hinkley, K., Pierce, J., Sinclair, M., and Horvitz, E. Sensing Techniques for Mobile Interaction.  UIST 2000: ACM Symposium on User Interface Software and Technology, pp. 91-100. <a href="http://portal.acm.org/citation.cfm?id=354417&amp;coll=GUIDE&amp;dl=GUIDE&amp;CFID=66483658&amp;CFTOKEN=36023921">http://portal.acm.org/citation.cfm?id=354417&amp;coll=GUIDE&amp;dl=GUIDE&amp;CFID=66483658&amp;CFTOKEN=36023921</a>		
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	AZZ	Virpi Roto, Nokia Research. Browsing on Mobile Phones.  http://www.research.att.com/~rjana/WF12_Paper1.pdf		
	AAAA	Qualcomm.Slingshot http://wireless.ign.com/articles/657/657041p1.html		
	ABBB	GamePad http://www.mobilemag.com/content/100/345/C5578/		
	ACCC	Kyocera Candid KX16  http://www.mobilemag.com/content/100/340/C4392/		

Examiner Signature	Date Considered
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EXAMINER: Initials citation considered. Draw line through citation if no next communication to applicant.	it in conformance and not considered. Include copy of this form with
	Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449  (Modified)  U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. Application No. 19146-002001 10/699,555		
	closure Statement	Applicant Beth Marcus, et al		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date October 31, 2003	Group Art Unit 2673	

Examiner Initial	Desig. ID	Document		
IIIIIai	טו	XEG Mobile Phone Pad		
	ADDD	http://us.gizmodo.com/gadgets/cellphones/gaming-on-the-go-with-xeg-136414.php		
ADDD		http://www.akihabaranews.com/en/news-10615-XEG%2C+the+mobile+phone+pad.html		
		Samsung Game Pad		
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		Thumbscript		
	AFFF	http://www.thumbscript.com/index.html		
	AFFF	http://www.thumbscript.com/howitworks.html		
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		Exideas		
	AGGG	http://www.exideas.com/ME/index.html		
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		Atrua: sensor-company		
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		Sony Clie game controller PEGA-GC10		
	A000	http://www.palminfocenter.com/view_story.asp?ID=4295		
<del></del>		Bluetooth GPS		
	APPP	http://mobilitytoday.com/news/005986/mobility_buyGPSnow_i-Blue_bluetooth_GPS		
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	AQQQ	Alphagrip -		
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	ARRR	http://www.tegic.com/pdfs/salessheets/T9%20Adaptive%20Text%20Input%20Sales%20Sheet%20		
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	ASSS	Zicorp – eZiTap		
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	ATTT	Motorola – iTAP		
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(	Other Documents (include Author, Title, Date, and Place of Publication)				
Examiner Initial	Desig. ID	Document			
	AUUU	DigitWireless: FastTap http://www.digitwireless.com/flash/download/fastap.pdf			
	AVVV	Microth KeyWheel http://www.microth.com/circumscript/overview.asp			
	AWWW	Yuvee: special keypad layout www.yuvee.com			
	AXXX	Twiddler <a href="http://www.handykey.com/">http://www.handykey.com/</a> <a href="http://www.handykey.com/Keymap.pdf">http://www.handykey.com/Keymap.pdf</a>			
	AYYY	Sengital Ltd. Tilt sensor replacement for PDA <a href="http://sengital.manufacturer.globalsources.com/si/6008823523892/ProductDetail/PDA-keyboard/product_id-1001050135/action-GetProduct.htm">http://sengital.manufacturer.globalsources.com/si/6008823523892/ProductDetail/PDA-keyboard/product_id-1001050135/action-GetProduct.htm</a> .			
	AZZZ	Howard.co.kr - The mouse phone  http://www.howard.co.kr/computer/mouse/mousephone.htm			
	AAAAA	Nokia 6620 with a control stick <a href="http://nds2.nokia:com/files/support/nam/phones/guides/6620_US_en.PDF">http://nds2.nokia:com/files/support/nam/phones/guides/6620_US_en.PDF</a>			
	ABBBB Sega into cell phones http://www.phoneyworld.com/newspage.aspx?n=1745  ACCCC Prevalent Devices LLC http://www.prevalentdevices.com/manual3-5-06.pdf				
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EXAMINER: Initials citation considered. Draw line through citation if a next communication to applicant.	I not in conformance and not o		
		Substitute Disclosure Form (PTC	)-1449)

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	Other Do	ocuments (include Author, Title, Date, and Place of Publication)
Examiner	Desig.	<u>_</u>
<u>Initial</u>	ID_	Document
	AJJJJ	MacKenzie, I. S. (2002). KSPC (keystrokes per character) as a characteristic of text entry techniques. Proceedings of the Fourth International Symposium on Human-Computer Interaction with Makila Davides and 105 210. Heidelberg Company Springer Verlag.
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	ANNNN	Partridge, K., Chatterjee, S., Sazawal, V., Borriello, G., and Want, R. TiltType: accelerometer-
	A0000	and Ubiquitous Computing, Volume 4, Issue 2/3.
	APPPP	Bartlett, J. F. 2000. Rock 'n' Scroll Is Here to Stay. IEEE Comput. Graph. Appl. 20, 3 (May. 2000), 40-45. http://portal.acm.org/citation.cfm?id=618728&coll=Portal&dl=GUIDE&CFID=66588306&CFTOKEN=73460863#
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	ATTTT	Lee, S., Hong, S. H., and Jeon, J. W. 2002. Designing a universal keyboard using chording gloves. SIGCAPH Comput. Phys. Handicap., 73-74 (Jun. 2002), 142-147. http://doi.acm.org/10.1145/960201.957230
	AUUUU	Pirhonen, A., Brewster, S., and Holguin, C. 2002. Gestural and audio metaphors as a means of control for mobile devices. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems: Changing Our World, Changing Ourselves (Minneapolis, Minnesota, USA, April 20 - 25, 2002). CHI '02. ACM Press, New York, NY, 291-298. http://doi.acm.org/10.1145/503376.503428
	AVVVV	Kjeldskov, J. and Graham, C. (2003). A Review of Mobile HCI Research Methods. In Proc. of Mobile Human-Computer Interaction (MobileHCI 2003), Udine Italy, Sept. 2003: In L. Chittaro (Ed.). Mobile Human-Computer-Interaction - MobileHCI 2003, Lecture Notes in Computer Science, Vol. 2795, Berlin: Springer, 317-335.
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	Other Documents (include Author, Title, Date, and Place of Publication)		
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	AV	Donner, J. (2005). Research Approaches to Mobile Use in Developing World: A Review of the Literature. International Conference on Mobile Communication and Asian Modernities City University of Hong Kong, June 7-8 2005.	
	AW	Min, Lin and Sears, Andrew (2005). Graphics Matter: A Case Study of Mobile Phone Keypad Design for Chinese Input. CHI 2005, Late Breaking Results: Posters, Portland, Oregon. April 2-7, 2005.	
	AX	MacKenzie, S., & Soukoreff, W. (2002). Text entry for mobile computing: Models and methods, theory and practice. Human-Computer Interaction. 17. p. 147198. http://www.yorku.ca/mack/hci3-2002.pdf	
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		Filing Date October 31, 2003	Group Art Unit 2673

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